



APPENDIX

Claim 2 is canceled.

The following is a marked-up version of the amended claims:

1. (Amended) A driving wheel element, comprising:

a wheel; and

an electric motor for rotating the wheel, wherein the electric motor is a synchronous motor having a ~~permanent-magnet rotor and a stator comprising teeth~~ deprived of pole shoes and respective individual windings on said teeth and a permanent-magnet flux-concentrating rotor comprising pole pieces and magnets disposed radially between the pole pieces.

12. (Amended) A driving wheel element according to claim 6, including an electromagnetic brake that operates in the event of a power failure, the brake being fitted to said first bearing-forming ~~teeth piece~~, and comprising a disk fixed to a fluted end of the motor shaft.

16. (Amended) A hoisting winch, comprising:

a winch; and

an electric motor for rotating the winch, wherein the electric motor is a synchronous motor having a permanent-magnet rotor and a stator comprising teeth deprived of pole shoes and respective individual windings on said teeth.